BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2014-15/OW/WORK_INDENT17166

APPROVED SCHEDULE - B

EE/BTP/BBMP/E-PMT/11/2014-15, Date: 25.03.2015

Drilling of borewell and providing pump motor at Ramachandrapura old Village, Kallappa Layout near Byregowda house and Chamundeshwari Layout in Ward No. 10 Vidyaranyapura Sub Division.

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of K SHANKAR REDDY	
				In Figures	In Words
1	2	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each BW	1974.22	Rupees One Thousand Nine Hundred Seventy Four and Twenty Two Paise Only
2	100	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m	Rmtr	320.99	Rupees Three Hundred Twenty and Ninety-Nine Paise Only
3	100	50 to 100 m	Rmtr	419.6	Rupees Four Hundred Nineteen and Sixty Paise Only
4	100	100 to 150 m	Rmtr	466.81	Rupees Four Hundred Sixty Six and Eighty One Paise Only
5	100	150 to 200 m	Rmtr	493.03	Rupees Four Hundred Ninety Three and Three Paise Only
6	100	200 to 250 m	Rmtr	570.66	Rupees Five Hundred Seventy and Sixty Six Paise Only

7	100	250 to 300 m	Rmtr	611.57	Rupees Six Hundred Eleven and Fifty Seven Paise Only
8	160	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	1389.93	Rupees One Thousand Three Hundred Eighty Nine and Ninety Three Paise Only
9	36	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work	Rmtr	791.44	Rupees Seven Hundred Ninety One and Forty Four Paise Only
10	2	Providing and fixing 175mm Borewell Cap with clamp Set H/D,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	104.9	Rupees One Hundred Four and Ninety Paise Only
11	2	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 12.50 HP 20 stage	No	63359.6	Rupees Sixty Three Thousand Three Hundred Fifty Nine and Sixty Paise Only
12	500	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	393.38	Rupees Three Hundred Ninety Three and Thirty Eight Paise Only
13	84	Heavy Duty Collar 50 mm dia	Nos	136.37	Rupees One Hundred Thirty Six and Thirty Seven Paise Only
14	1060	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	197.95	Rupees One Hundred Ninety Seven and Ninety Five Paise Only

15	2	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	3147.0	Rupees Three Thousand One Hundred Forty Seven Only
16	2	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	316.8	Rupees Three Hundred Sixteen and Eighty Paise Only
17	60	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	147.28	Rupees One Hundred Forty Seven and Twenty Eight Paise Only
18	60	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	11.33	Rupees Eleven and Thirty Three Paise Only
19	50	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	89.17	Rupees Eighty Nine and Seventeen Paise Only
20	8	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	361.91	Rupees Three Hundred Sixty One and Ninety One Paise Only
21	2	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	293.72	Rupees Two Hundred Ninety Three and Seventy Two Paise Only
22	2	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	2860.62	Rupees Two Thousand Eight Hundred Sixty and Sixty Two Paise Only

23	12	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	188.82	Rupees One Hundred Eighty Eight and Eighty Two Paise Only
24	2	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	1656.79	Rupees One Thousand Six Hundred Fifty Six and Seventy Nine Paise Only
25	2	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	239.07	Rupees Two Hundred Thirty Nine and Seven Paise Only
26	8	SSupplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour etc., complete and as per the directions of the Engineer-in-charge of the work	No	83.92	Rupees Eighty Three and Ninety Two Paise Only
27	2	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	367.15	Rupees Three Hundred Sixty Seven and Fifteen Paise Only
28	2	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	1622.8	Rupees One Thousand Six Hundred Twenty Two and Eighty Paise Only
29	46800	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm	0.35	and Thirty Five Paise Only
30	2	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset 10HP to 20 HP Star Delta Starter SERDED Rate with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	11539.0	Rupees Eleven Thousand Five Hundred Thirty Nine Only

31	1130.63	Earthwork excavation for pipeline foundation including deporiting or bank up to a depth of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	197.21	Rupees One Hundred Ninety Seven and Twenty One Paise Only
32	3350	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 75mm Dia 6 KSC	Rmtr	164.69	Rupees One Hundred Sixty Four and Sixty Nine Paise Only
33	1130.63	Refilling the bumont and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrswith all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	63.99	Rupees Sixty Three and Ninety Nine Paise Only
34	29	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each	2223.88	Rupees Two Thousand Two Hundred Twenty Three and Eighty Eight Paise Only

K. Sankar Reddy
Signature of the Contractor

Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92

Executive Engineer
Byarayanapura Div
Yelahanka Zone, BBMP
Bangalore - 560 092